BRUHATH BANGALORE MAHANAGARA PALIKE
EXECUTIVE ENGINEER
YELAHANKA DIVISION

MASUREMENT SHEETS

1st and Part Bill

Name of Work: Improvements of Roads , Development of Parks and Construction of Buildings in Ward No 01,02,03 & 04 of Yelahanka Division Under 2021-22 District Minister Grants. (Package-15).

Name of Agency: Sri. K. Lakshmi Narayana Reddy

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements of Roads , Development of Parks and Construction of Buildings in Ward No 01,02,03 & 04 of Yelahanka Division Under 2021-22 District Minister Grants. (Package-15)

Measurement Sheet

1st & Part Bill

Name of Agency: Sri. K. Lakshmi Narayana Reddy

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
1	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specification and directions of the Engineer in charge.						
	Pre-Measurent Quantity					223.70	Cum
2	Clearing and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specification and directions of the Engineer in charge.						
	Pre-Measurent Quantity					1741.64	Sqm
3	Removing and refixing stone slabs of drains and pointing in CM (1:3)complete as per specification and directions of the Engineer in charge.						
	Pre-Measurent Quantity					5442.95	Sqm
4	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification and directions of the Engineer in charge.						
	Pre-Measurent Quantity					3157.02	Cum

Assistant Engineer

Asst. Executive Engineer
Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Ylk. Zn)
Yelahanka, Bangalore

Executive Engineer

5	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specification and directions of the Engineer in charge.							
	Pre-Measurent Quantity						247.95	Cum
6	Excavation for roadwork in all types of soil by with hydralic excavator of 0.9cum bucket capacity including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specification and directions of the Engineer in charge.							
	Pre-Measurent Quantity						100.40	Cum
7	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specification and directions of the Engineer in charge.							
	Pre-Measurent Quantity						47.94	Cum
8	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specification and directions of the Engineer in charge.							
	Pre-Measurent Quantity						223.16	Cum
9	Providing and constructing granite / trap / basalt size stone masonry in superstructure with cement mortar 1:4 , edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, scaffolding, curing complete as per specification and directions of the Engineer in charge.							

Assistant Engineer

Asst. Executive Engineer
Yelahanka Zone
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Asst Executive Engineer

Executive Engineer

	Pre-Measurent Quantity						308.32	Cum
10	Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specification and directions of the Engineer in charge.							
	Pre-Measurent Quantity						694.98	Sqm
11	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specification and directions of the Engineer in charge.							
	Pre-Measurent Quantity						98.05	Cum
12	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specification and directions of the Engineer in charge.							
	Pre-Measurent Quantity						214.59	Cum
13	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc.,Complete Excluding cost of Steel as per morth MORTH specification No. 1500, 1700, 2200. Including Cost of material, Labour, HOM complete as per specification and directions of the Engineer in charge.							
	Pre-Measurent Quantity						535.91	Cum

Assistant Engineer

Asst. Executive Engineer
Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Executive Engineer

14	Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specification and directions of the Engineer in charge.							
	Pre-Measurent Quantity						179.43	Cum
16	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specification and directions of the Engineer in charge.							
	Pre-Measurent Quantity						50.43	Tonne
17	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc complete as per specification and directions of the Engineer in charge.. (Data Rate)							

Measurement Recorded On:			20-04-2022					
Ward No.01, APTS Primises								
For New RCC Drain								
Quatres Road from Office Road (RHS)								
	0.00	0.00	1	0.00	0.90		0.00	
	0.00	30.00	1	30.00	0.90		27.00	
	30.00	60.00	1	30.00	0.90		27.00	
	60.00	90.00	1	30.00	0.90		27.00	
	90.00	120.00	1	30.00	0.90		27.00	
	120.00	125.00	1	5.00	0.90		4.50	
		(Ward No.01 APTS) Total Quantity					112.50	
Ward No.01, Kurlappa Garden								
New RCC Drain								
6th A Cross Road from 1st Main Road to Dead end								

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Executive Engineer

Vijaya Jyothi English School Opposite Road from Dead end to Railway Station Parallel Road								
	LHS		83	0.75	0.60		37.35	
	RHS		45	0.75	0.60		20.25	
Cross Road-2 from Dead end to Vijaya Jyothi English School Opposite Road								
			22	0.75	0.60		9.90	
Cross Road-3 from Dead end to Railway Track								
			42	0.75	0.60		18.90	
Cross Road-4 from Cross Road-3 to Vijaya Jyothi English School Opposite Road								
			26	0.75	0.60		11.70	
Cross Road-5 from Vijaya Jyothi English School Opposite Road								
			20	0.75	0.60		9.00	
Cross Road-6 from Vijaya Jyothi English School Opposite Road to Cross Road-3								
			22	0.75	0.60		9.90	
				(Ward No.02) Total Quantity			474.54	

Asst Engineer
Ward No.02

Asst. Executive Engineer
Yelahanka Stallite Town Sub Division

Asst. Executive Engineer
Yelahanka Satellite Town Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Ward No.04								
For New RCC Drain 27-04-2022								
Cross Road-1 in Chikkabommasandra								
RHS	0.00	0.00	1	0.00	0.75		0.00	
	0.00	15.00	1	15.00	0.75		11.25	
	15.00	30.00	1	15.00	0.75		11.25	
	30.00	43.10	1	13.10	0.75		9.83	
Approach Drain at Temple								
			1	17.73	0.75		13.30	
			1	8.80	0.75		6.60	
2nd Main Road-1 from Chikkabommasandra Main Road								
LHS	0.00	0.00	1	0.00	0.90		0.00	
	0.00	30.00	1	30.00	0.90		27.00	
	30.00	35.40	1	5.40				Culvert
	35.40	46.90	1	11.50	0.90		10.35	

Assistant Engineer

Asst Executive Engineer

Executive Engineer

Ward No.01, Kurlappa Garden								
Culvert Slab								
	1st Main Road							
			1	4.60	1.20		5.52	
			1	4.65	1.20		5.58	
			1	4.30	1.20		5.16	
			4	1.20	0.60		2.88	
		(Ward No.01 Kurlappa Garden) Total Quantity					19.14	

Asst Engineer
Ward No.02

Asst. Executive Engineer
Yelahanka Sub Division

Ward No.02								
New RCC Culvert 22-04-2022								
At Chowdeshwari Temple			1	7.40	1.50		11.10	
At 27th Cross Road			1	6.00	1.20		7.20	
At 2nd Cross Road			1	6.00	1.20		7.20	
			1	6.20	1.20		7.44	
At 3rd Cross Road			1	5.50	1.20		6.60	
			1	3.50	1.20		4.20	
14th A Cross			1	6.00	1.20		7.20	
12th Cross			1	2.50	1.20		3.00	
11th Cross			1	6.80	1.20		8.16	
				(Ward No.02) Total Quantity			62.10	

Asst Engineer
Ward No.02

Asst. Executive Engineer
Yelahanka Sub Division

Ward No.04								
New RCC Culvert 27-04-2022								
In 2nd Main Road			1	5.40	1.20		6.48	
			1	3.80	1.20		4.56	
			1	5.00	1.50		7.50	
5th Cross Road			1	3.60	1.20		4.32	
				(Ward No.04) Total Quantity			22.86	
	Total Quantity						128.40	Sqm
	Quantity Carried to Summary						128.40	Sqm

Assistant Engineer | Asst Executive Engineer | Executive Engineer

	Gate		1	19.50		[illegible]	35.10	
			-1	3.00		1.80	-5.40	
				(Ward No.03) Total Quantity			105.30	

Asst Engineer
Ward No.03

Asst. Executive Engineer
Yelahanka Stallite Town Sub Division

Ward No.04								
Unnikrishnan Park 29-04-2022								
			Strech-1					
			1	30.00		1.80	54.00	
			1	30.00		1.80	54.00	
			1	30.00		1.80	54.00	
			1	9.00		1.80	16.20	
			Strech-2					
			1	30.00		1.80	54.00	
			1	11.80		1.80	21.24	
			Strech-3					
			1	30.00		1.80	54.00	
			1	27.00		1.80	48.60	
			Park Porstion					
			1	9.00		1.80	16.20	
			1	30.00		1.80	54.00	
			1	11.80		1.80	21.24	
			1	9.00		1.80	16.20	
			Strech-3, Park Side					
			1	8.00		1.80	14.40	
			1	30.00		1.80	54.00	
			1	27.00		1.80	48.60	
			1	8.00		1.80	14.40	
				(Ward No.04) Total Quantity			595.08	
	Total Quantity						700.38	Sqm
	Quantity Carried to Summary						700.38	Sqm

Assistant Engineer

Asst Executive Engineer

Executive Engineer

Item No.	Description						Quantity	Unit
26	Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, complete as per specification and directions of the Engineer in charge.							
	Pre-Measurent Quantity						60.24	Cum
27	Dismantling Kerb stone by manual means and disposal of dismantled materials with all lifts and complete as per specification and directions of the Engineer in charge.							
	Pre-Measurent Quantity						769.73	m
28	Dismantling cement concrete flooring or plain cement concrete work including removing and conveying the debris to distance upto 200m (within average thickness of 15 cms). Including cost of materials, labour , HOM complete as per specification and directions of the Engineer in charge.							
	Pre-Measurent Quantity						787.50	Sqm
29	Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specification and directions of the Engineer in charge.							
	Pre-Measurent Quantity						250.92	Cum

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
Asst Executive Engineer
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Executive Engineer

30	Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specification and directions of the Engineer in charge.
Measurement Recorded On:	29-03-2022

Ward No.01, APTS Primises								
For Drain Flagging Course								
APTS Main Road from Circle towards Gate								
LHS	0.00	0.00	2	0.00		0.20	0.00	
	0.00	5.00	2	5.00		0.20	2.00	
	5.00	10.00	2	5.00		0.20	2.00	
	10.00	40.00	2	30.00		0.20	12.00	
	40.00	70.00	2	30.00		0.20	12.00	
	70.00	100.00	2	30.00		0.20	12.00	
	100.00	130.00	2	30.00		0.20	12.00	
	130.00	160.00	2	30.00		0.20	12.00	
	160.00	190.00	2	30.00		0.20	12.00	
	190.00	220.00	2	30.00		0.20	12.00	
	220.00	250.00	2	30.00		0.20	12.00	
	250.00	280.00	2	30.00		0.20	12.00	
	280.00	310.00	2	30.00		0.20	12.00	
	310.00	340.00	2	30.00		0.20	12.00	
	340.00	370.00	2	30.00		0.20	12.00	
	370.00	400.00	2	30.00		0.20	12.00	
	400.00	414.00	2	14.00		0.20	5.60	
Deduction for Cross Road			-2	7.00		0.20	-2.80	
			-2	6.50		0.20	-2.60	
	Gate		-2	3.20		0.20	-1.28	
	Gate		-2	3.30		0.20	-1.32	
	Hospital		-2	3.60		0.20	-1.44	
	Park		-2	6.20		0.20	-2.48	
			-2	3.20		0.20	-1.28	
			-2	3.60		0.20	-1.44	
			-2	6.00		0.20	-2.40	
			-2	12.70		0.20	-5.08	
RHS	0.00	0.00	2	0.00		0.20	0.00	
	0.00	5.00	2	5.00		0.20	2.00	
	5.00	10.00	2	5.00		0.20	2.00	
	10.00	40.00	2	30.00		0.20	12.00	
	40.00	70.00	2	30.00		0.20	12.00	
	70.00	100.00	2	30.00		0.20	12.00	

A.E.E

Assistant Engineer

Asst. Executive Engineer
Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Yhk. Zn)
Yelahanka, Bangalore

Executive Engineer

	0.00	30.00	2	30.00		0.20	12.00	
	30.00	60.00	2	30.00		0.20	12.00	
	60.00	90.00	2	30.00		0.20	12.00	
	90.00	120.00	2	30.00		0.20	12.00	
	120.00	150.00	2	30.00		0.20	12.00	
	150.00	160.20	2	10.20		0.20	4.08	
RHS	0.00							
	0.00	0.00	2	0.00		0.20	0.00	
	0.00	30.00	2	30.00		0.20	12.00	
	30.00	60.00	2	30.00		0.20	12.00	
	60.00	90.00	2	30.00		0.20	12.00	
	90.00	120.00	2	30.00		0.20	12.00	
	120.00	150.00	2	30.00		0.20	12.00	
	150.00	160.20	2	10.20		0.20	4.08	
Ground Parallel Road from Quatres Road to Main Road								
LHS	0.00	0.00	2	0.00		0.20	0.00	
	0.00	30.00	2	30.00		0.20	12.00	
	30.00	60.00	2	30.00		0.20	12.00	
	60.00	90.00	2	30.00		0.20	12.00	
	90.00	120.00	2	30.00		0.20	12.00	
	120.00	150.00	2	30.00		0.20	12.00	
	150.00	162.20	2	12.20		0.20	4.88	
RHS	0.00	0.00	2	0.00		0.20	0.00	
	0.00	30.00	2	30.00		0.20	12.00	
	30.00	60.00	2	30.00		0.20	12.00	
	60.00	90.00	2	30.00		0.20	12.00	
	90.00	120.00	2	30.00		0.20	12.00	
	120.00	150.00	2	30.00		0.20	12.00	
	150.00	162.20	2	12.20		0.20	4.88	
			-2	9.40		0.20	-3.76	
		(Ward No.01 APTS) Total Quantity					1299.30	
	Total Quantity						1299.30	Sqm
	Quantity Carried to Summary						1299.30	Sqm

Asst Engineer
Ward No.01

Asst. Executive Engineer
Yelahanka Sub. Divison

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Engineer | Asst Executive Engineer | Executive Engineer

32	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete as per specification and directions of the Engineer in charge.							
Measurement Recorded On:				11-04-2022				
Ward No.01, APTS Primises								
For Kerb Laying								
APTS Main Road from Circle towards Gate								
LHS	0.00	0.00	1	0.00			0.00	
	0.00	5.00	1	5.00			5.00	
	5.00	10.00	1	5.00			5.00	
	10.00	40.00	1	30.00			30.00	
	40.00	70.00	1	30.00			30.00	
	70.00	100.00	1	30.00			30.00	
	100.00	130.00	1	30.00			30.00	
	130.00	160.00	1	30.00			30.00	
	160.00	190.00	1	30.00			30.00	
	190.00	220.00	1	30.00			30.00	
	220.00	250.00	1	30.00			30.00	
	250.00	280.00	1	30.00			30.00	
	280.00	310.00	1	30.00			30.00	
	310.00	340.00	1	30.00			30.00	
	340.00	370.00	1	30.00			30.00	
	370.00	400.00	1	30.00			30.00	
	400.00	414.00	1	14.00			14.00	
Deduction for Cross Road			-1	7.00			-7.00	
			-1	6.50			-6.50	
	Gate		-1	3.20			-3.20	
	Gate		-1	3.30			-3.30	
	Hospital		-1	3.60			-3.60	
	Park		-1	6.20			-6.20	
			-1	3.20			-3.20	
			-1	3.60			-3.60	
			-1	6.00			-6.00	
			-1	12.70			-12.70	
RHS	0.00	0.00	1	0.00			0.00	
	0.00	5.00	1	5.00			5.00	
	5.00	10.00	1	5.00			5.00	
	10.00	40.00	1	30.00			30.00	
	40.00	70.00	1	30.00			30.00	
	70.00	100.00	1	30.00			30.00	

C&FC

A.E.E

02/5/2022

Assistant Engineer

Asst Executive Engineer

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Ylk. Zn)
Yelahanka, Bangalore

Executive Engineer

	100.00	130.00						
	130.00	160.00	1	30.00			30.00	
	160.00	190.00	1	30.00			30.00	
	190.00	220.00	1	30.00			30.00	
	220.00	250.00	1	30.00			30.00	
	250.00	280.00	1	30.00			30.00	
	280.00	310.00	1	30.00			30.00	
	310.00	340.00	1	30.00			30.00	
	340.00	370.00	1	30.00			30.00	
	370.00	400.00	1	30.00			30.00	
	400.00	414.00	1	30.00			30.00	
			1	14.00			14.00	
			-1	9.40			-9.40	
			-1	5.50			-5.50	

Turning Porstion towards Gate

LHS	0.00	0.00	1	0.00			0.00	
	0.00	30.00	1	30.00			30.00	
	30.00	60.00	1	30.00			30.00	
	60.00	62.00	1	2.00			2.00	
RHS	0.00	0.00	1	0.00			0.00	
	0.00	30.00	1	30.00			30.00	
	30.00	60.00	1	30.00			30.00	
	60.00	62.00	1	2.00			2.00	

Road from Gate to Primary Health Center

LHS	0.00	0.00	1	0.00			0.00	
	0.00	30.00	1	30.00			30.00	
	30.00	60.00	1	30.00			30.00	
	60.00	90.00	1	30.00			30.00	
	90.00	120.00	1	30.00			30.00	
	120.00	150.00	1	30.00			30.00	
	150.00	180.00	1	30.00			30.00	
	180.00	210.00	1	30.00			30.00	
	210.00	240.00	1	30.00			30.00	
	240.00	260.00	1	20.00			20.00	
	260.00	290.00	1	30.00			30.00	
	290.00	305.30	1	15.30			15.30	
			-1	10.60			-10.60	
			-1	5.20			-5.20	
			-1	2.70			-2.70	
			-1	6.50			-6.50	
			-1	10.30			-10.30	
RHS	0.00	0.00	1	0.00			0.00	
	0.00	30.00	1	30.00			30.00	
	30.00	60.00	1	30.00			30.00	
	60.00	90.00	1	30.00			30.00	

A.E.E

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Asst Executive Engineer

Executive Engineer

	90.00	120.00					
	120.00	150.00	1	30.00		30.00	
	150.00	180.00	1	30.00		30.00	
	180.00	210.00	1	30.00		30.00	
	210.00	240.00	1	30.00		30.00	
	240.00	260.00	1	30.00		30.00	
	260.00	290.00	1	20.00		20.00	
	290.00	305.30	1	30.00		30.00	
			1	15.30		15.30	
			-1	3.00		-3.00	
			-1	2.90		-2.90	
			-1	2.30		-2.30	
	APTS Office Road from Circle to Quatres Road						
LHS	0.00	0.00	1	0.00		0.00	
	0.00	30.00	1	30.00		30.00	
	30.00	60.00	1	30.00		30.00	
	60.00	90.00	1	30.00		30.00	
	90.00	120.00	1	30.00		30.00	
	120.00	150.00	1	30.00		30.00	
	150.00	165.50	1	15.50		15.50	
			-1	5.20		-5.20	
	Cross Road		-1	7.40		-7.40	
			-1	1.35		-1.35	
			-1	1.70		-1.70	
RHS	0.00	0.00	1	0.00		0.00	
	0.00	30.00	1	30.00		30.00	
	30.00	60.00	1	30.00		30.00	
	60.00	90.00	1	30.00		30.00	
	90.00	120.00	1	30.00		30.00	
	120.00	150.00	1	30.00		30.00	
	150.00	165.50	1	15.50		15.50	
			-1	1.00		-1.00	
			-1	2.80		-2.80	
	Quatres Road from APTS Office Road to End						
LHS	0.00	0.00	1	0.00		0.00	
	0.00	30.00	1	30.00		30.00	
	30.00	60.00	1	30.00		30.00	
	60.00	90.00	1	30.00		30.00	
	90.00	120.00	1	30.00		30.00	
	120.00	150.00	1	30.00		30.00	
	150.00	180.00	1	30.00		30.00	
	180.00	210.00	1	30.00		30.00	
	210.00	240.00	1	30.00		30.00	
	240.00	270.00	1	30.00		30.00	
	270.00	300.00	1	30.00		30.00	
	300.00	330.00	1	30.00		30.00	

A.E.E

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Asst Executive Engineer

Executive Engineer

Asst Engineer
Ward No.01

Asst. Executive Engineer
Yelahanka Sub Division

Ward No.03							
Pathway Kerb 19-04-2022							
St.Sri Sevalala Park							
From Gate towards Gazebo							
	LHS						
			1	15.00			15.00
			1	15.00			15.00
			1	15.00			15.00
			1	8.38			8.38
	RHS		1	15.00			15.00
			1	15.00			15.00
			1	14.03			14.03
			1	6.42			6.42
			-1	2.00			-2.00
			-1	3.30			-3.30
	SH		-1	0.20			-0.20
Gazebo Approach							
	LHS		1	4.80			4.80
	RHS		1	4.80			4.80
Along Noth Direction							
	LHS		1	15.00			15.00
			1	15.00			15.00
			1	15.00			15.00
			1	15.00			15.00
			1	15.00			15.00
			1	15.00			15.00
			1	3.56			3.56
			-1	3.60			-3.60
			2	1.70			3.40
	RHS		1	15.00			15.00
			1	15.00			15.00
			1	15.00			15.00
			1	15.00			15.00
			1	15.00			15.00
			1	14.64			14.64
	SH		-1	0.20			-0.20
	SH		-2	0.25			-0.50
	SH		-1	0.40			-0.40
Along East Direction							
	LHS		1	12.25			12.25
	RHS		1	8.35			8.35

04/05/2022

Assistant Engineer   Asst Executive Engineer   Executive Engineer

	SH							
Along Noth Direction			-1	0.15			-0.15	
	LHS							
			1	15.00			15.00	
			1	15.00			15.00	
			1	15.00			15.00	
			1	15.00			15.00	
			1	14.95			14.95	
	RHS							
			1	15.00			15.00	
			1	15.00			15.00	
			1	15.00			15.00	
			1	15.00			15.00	
			1	11.05			11.05	
Along East Direction								
	LHS							
			1	15.00			15.00	
			1	15.00			15.00	
			1	8.45			8.45	
	RHS		1	15.00			15.00	
			1	15.00			15.00	
			1	4.55			4.55	
Gate Right Side								
	LHS		1	15.00			15.00	
			1	2.78			2.78	
	LHS		1	15.82			15.82	
At West Gate East Direction								
	LHS		1	15.00			15.00	
			1	9.90			9.90	
	RHS		1	15.00			15.00	
			1	6.10			6.10	
Along Noth Direction								
	LHS		1	13.55			13.55	
	RHS		1	9.65			9.65	
			-1	4.00			-4.00	
			2	1.70			3.40	
	LHS		1	8.25			8.25	
	RHS		1	4.35			4.35	
	LHS		1	5.85			5.85	
	RHS		1	1.95			1.95	
	LHS		1	17.90			17.90	
	RHS		1	14.10			14.10	
	LHS		1	9.10			9.10	

Assistant Engineer　　　　Asst Executive Engineer　　　　Executive Engineer

	RHS							
			1	9.10			9.10	
			-1	3.50			-3.50	
			-1	1.85			-1.85	
			-1	1.90			-1.90	
							694.83	
				(Ward No.03) Total Quantity			1544.07	

Asst Engineer
Ward No.03

Asst. Executive Engineer
Yelahanka Stallite Town Sub Division

Ward No.04								
New RCC Culvert 18-04-2022								
1st B Cross Road from 1st Main Chikkabommasandra								
LHS								
			1	12.90			12.90	
			1	11.30			11.30	
			1	14.60			14.60	
			1	8.20			8.20	
			1	2.30			2.30	
			1	5.80			5.80	
			1	4.70			4.70	
			1	14.70			14.70	
	RHS		1	5.90			5.90	
			1	13.80			13.80	
			1	11.80			11.80	
			1	12.30			12.30	
			1	3.90			3.90	
			1	7.70			7.70	
			1	3.10			3.10	
Unnikrishnan Park, For Cycle Track Pathway Kerb								
Strech-1								
			3	30.00			90.00	
			3	30.00			90.00	
			3	30.00			90.00	
			3	12.00			36.00	
Strech-2								
			3	30.00			90.00	
			3	11.80			35.40	
Strech-3								
			3	30.00			90.00	

CKR 18/04

Assistant Engineer

Asst Executive Engineer

Executive Engineer

			3	27.00			81.00	
							735.40	
				(Ward No.04) Total Quantity			1634.22	
	Total Quantity						10446.00	Nos
	Quantity Carried to Summary						10446.00	Nos

Asst Engineer
Ward No.04

Asst. Executive Engineer
Yelahanka Stallite Town Sub Division

33	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specification and directions of the Engineer in charge.

Measurement Recorded On:			23-04-2022					
Ward No.01, APTS Primises								
For Kerb Painting								
APTS Main Road from Circle towards Gate								
LHS	0.00	0.00	1	0.00		0.40	0.00	
	0.00	5.00	1	5.00		0.40	2.00	
	5.00	10.00	1	5.00		0.40	2.00	
	10.00	40.00	1	30.00		0.40	12.00	
	40.00	70.00	1	30.00		0.40	12.00	
	70.00	100.00	1	30.00		0.40	12.00	
	100.00	130.00	1	30.00		0.40	12.00	
	130.00	160.00	1	30.00		0.40	12.00	
	160.00	190.00	1	30.00		0.40	12.00	
	190.00	220.00	1	30.00		0.40	12.00	
	220.00	250.00	1	30.00		0.40	12.00	
	250.00	280.00	1	30.00		0.40	12.00	
	280.00	310.00	1	30.00		0.40	12.00	
	310.00	340.00	1	30.00		0.40	12.00	
	340.00	370.00	1	30.00		0.40	12.00	
	370.00	400.00	1	30.00		0.40	12.00	
	400.00	414.00	1	14.00		0.40	5.60	
Deduction for Cross Road			-1	7.00		0.40	-2.80	
			-1	6.50		0.40	-2.60	
	Gate		-1	3.20		0.40	-1.28	
	Gate		-1	3.30		0.40	-1.32	
	Hospital		-1	3.60		0.40	-1.44	
	Park		-1	6.20		0.40	-2.48	
			-1	3.20		0.40	-1.28	

A.E.E.

Assistant Engineer

Asst. Executive Engineer
Asst Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Executive Engineer

	LHS							
	RHS		1	8.25		0.40	3.30	
			1	4.35		0.40	1.74	
	LHS							
	RHS		1	5.85		0.40	2.34	
			1	1.95		0.40	0.78	
	LHS							
	RHS		1	17.90		0.40	7.16	
			1	14.10		0.40	5.64	
	LHS							
	RHS		1	9.10		0.40	3.64	
			1	9.10		0.40	3.64	
			-1	3.50		0.40	-1.40	
			-1	1.85		0.40	-0.74	
			-1	1.90		0.40	-0.76	
				(Ward No.03) Total Quantity			277.93	

Asst Engineer
Ward No.03

Asst. Executive Engineer
Yelahanka Stallite Town Sub Division

Ward No.04								
New RCC Culvert 28-04-2022								
1st B Cross Road from 1st Main Chikkabommasandra								
LHS			1	11.80		0.40	4.72	
			1	12.90		0.40	5.16	
			1	11.30		0.40	4.52	
			1	15.00		0.40	6.00	
			1	14.60		0.40	5.84	
			1	9.60		0.40	3.84	
			1	8.20		0.40	3.28	
			1	2.30		0.40	0.92	
			1	15.00		0.40	6.00	
			1	5.80		0.40	2.32	
			1	10.40		0.40	4.16	
			1	4.70		0.40	1.88	
			1	14.70		0.40	5.88	
	RHS		1	5.90		0.40	2.36	
			1	13.80		0.40	5.52	
			1	14.00		0.40	5.60	
			1	11.80		0.40	4.72	
			1	12.30		0.40	4.92	
			1	30.00		0.40	12.00	
			1	3.90		0.40	1.56	
			1	14.00		0.40	5.60	

Assistant Engineer

Asst Executive Engineer

Executive Engineer

			1	7.70		0.40	3.08	
			1	5.30		0.40	2.12	
			1	6.00		0.40	2.40	
			1	3.10		0.40	1.24	
Unnikrishnan Park, For Cycle Track Pathway Kerb								
			Strech-1					
			3	30.00		0.40	36.00	
			3	30.00		0.40	36.00	
			3	30.00		0.40	36.00	
			3	12.00		0.40	14.40	
			Strech-2					
			3	30.00		0.40	36.00	
			3	11.80		0.40	14.16	
			Strech-3					
			3	30.00		0.40	36.00	
			3	27.00		0.40	32.40	
				(Ward No.04) Total Quantity			346.60	
	Total Quantity						1932.69	Sqm
	Quantity Carried to Summary						1932.69	Sqm

C&E
[signature] 28/04

Asst Engineer
Ward No.04

Asst. Executive Engineer
Yelahanka Stallite Town Sub Division

34	Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specification and directions of the Engineer in charge.						
	Pre-Measurent Quantity					2711.75	Cum
35	Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specification and directions of the Engineer in charge.						
	Pre-Measurent Quantity					7764.28	Cum

Assistant Engineer

Asst Executive Engineer

Executive Engineer

Item	Description	Quantity	Unit
36	Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specification and directions of the Engineer in charge.		
	Pre-Measurent Quantity	602.47	Cum
37	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specification and directions of the Engineer in charge.		
	Pre-Measurent Quantity	230.90	Cum
38	Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specification and directions of the Engineer in charge.		
	Pre-Measurent Quantity	1128.59	Cum
39	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specification and directions of the Engineer in charge.		
	Pre-Measurent Quantity	3966.82	Cum
40	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specification and directions of the Engineer in charge.		

Assistant Engineer   Asst Executive Engineer   Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements of Roads , Development of Parks and Construction of Buildings in Ward No 01,02,03 & 04 of Yelahanka Division Under 2021-22 District Minister Grants. (Package-15)

Measurement Sheet

Name of Agency: Sri. K. Lakshmi Narayana Reddy

1st & Part Bill

Item No. 43

Item Name: Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specification and directions of the Engineer in charge.

SL NO	CHAINAGE		NO	L (m)	B1 (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:				23-04-2022						
Ward No.01, APTS Primises										
Asphalt Road										
APTS Main Road from Circle towards Gate										
	0.00	0.00	1	0.00	14.70	14.70	14.70	0.04	0.00	
	0.00	5.00	1	5.00	14.70	11.30	13.00	0.04	2.60	
	5.00	10.00	1	5.00	11.30	11.80	11.55	0.04	2.31	
	10.00	40.00	1	30.00	11.80	7.30	9.55	0.04	11.46	
	40.00	70.00	1	30.00	7.30	7.30	7.30	0.04	8.76	
	70.00	100.00	1	30.00	7.30	7.10	7.20	0.04	8.64	
	100.00	130.00	1	30.00	7.10	7.30	7.20	0.04	8.64	
	130.00	160.00	1	30.00	7.30	7.30	7.30	0.04	8.76	
	160.00	190.00	1	30.00	7.30	7.50	7.40	0.04	8.88	
	190.00	220.00	1	30.00	7.50	7.50	7.50	0.04	9.00	
	220.00	250.00	1	30.00	7.50	7.50	7.50	0.04	9.00	
	250.00	280.00	1	30.00	7.50	7.45	7.48	0.04	8.97	
	280.00	310.00	1	30.00	7.45	7.45	7.45	0.04	8.94	
	310.00	340.00	1	30.00	7.45	7.45	7.45	0.04	8.94	
	340.00	370.00	1	30.00	7.45	7.50	7.48	0.04	8.97	
	370.00	400.00	1	30.00	7.50	7.20	7.35	0.04	8.82	
	400.00	414.00	1	14.00	7.20	5.70	6.45	0.04	3.61	
Turning Porstion towards Gate										
	0.00	0.00	1	0.00	12.00	7.50	9.75	0.04	0.00	
	0.00	30.00	1	30.00	7.50	7.00	7.25	0.04	8.70	
	30.00	60.00	1	30.00	7.00	9.00	8.00	0.04	9.60	
	60.00	62.00	1	2.00	9.00	10.20	9.60	0.04	0.77	
Road from Gate to Primary Health Center										
	0.00	0.00	1	0.00	5.90	5.45	5.68	0.04	0.00	
	0.00	30.00	1	30.00	5.45	5.30	5.38	0.04	6.45	
	30.00	60.00	1	30.00	5.30	5.30	5.30	0.04	6.36	

A.E.E 23/04

Assistant Engineer

Asst Executive Engineer

Executive Engineer

SL NO	CHAINAGE		NO	L (m)	B1 (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
	60.00	90.00	1	30.00	5.30	5.80	5.55	0.04	6.66	
	90.00	120.00	1	30.00	5.80	5.95	5.88	0.04	7.05	
	120.00	150.00	1	30.00	5.95	6.00	5.98	0.04	7.17	
	150.00	180.00	1	30.00	6.00	6.10	6.05	0.04	7.26	
	180.00	210.00	1	30.00	6.10	6.35	6.23	0.04	7.47	
	210.00	240.00	1	30.00	6.35	6.30	6.33	0.04	7.59	
	240.00	260.00	1	20.00	6.30	7.30	6.80	0.04	5.44	
	260.00	290.00	1	30.00	7.30	8.00	7.65	0.04	9.18	
	290.00	305.30	1	15.30	8.00	9.00	8.50	0.04	5.20	
	APTS Office Road from Circle to Quatres Road									
	0.00	0.00	1	0.00	6.20	6.20	6.20	0.04	0.00	
	0.00	30.00	1	30.00	6.20	6.20	6.20	0.04	7.44	
	30.00	60.00	1	30.00	6.20	5.90	6.05	0.04	7.26	
	60.00	90.00	1	30.00	5.90	5.80	5.85	0.04	7.02	
	90.00	120.00	1	30.00	5.80	5.60	5.70	0.04	6.84	
	120.00	150.00	1	30.00	5.60	5.80	5.70	0.04	6.84	
	150.00	165.50	1	15.50	5.80	5.90	5.85	0.04	3.63	
	Quatres Road from APTS Office Road to End									
	0.00	0.00	1	0.00	8.30	8.30	8.30	0.04	0.00	
	0.00	30.00	1	30.00	8.30	7.45	7.88	0.04	9.45	
	30.00	60.00	1	30.00	7.45	7.55	7.50	0.04	9.00	
	60.00	90.00	1	30.00	7.55	7.50	7.53	0.04	9.03	
	90.00	120.00	1	30.00	7.50	7.40	7.45	0.04	8.94	
	120.00	150.00	1	30.00	7.40	7.35	7.38	0.04	8.85	
	150.00	180.00	1	30.00	7.35	7.45	7.40	0.04	8.88	
	180.00	210.00	1	30.00	7.45	7.50	7.48	0.04	8.97	
	210.00	240.00	1	30.00	7.50	7.40	7.45	0.04	8.94	
	240.00	270.00	1	30.00	7.40	7.45	7.43	0.04	8.91	
	270.00	300.00	1	30.00	7.45	7.30	7.38	0.04	8.85	
	300.00	330.00	1	30.00	7.30	7.25	7.28	0.04	8.73	
	330.00	339.60	1	9.60	7.25	6.60	6.93	0.04	2.66	
	Office Entrence Road Approach-1									
	0.00	0.00	1	0.00	5.80	5.80	5.80	0.04	0.00	
	0.00	30.00	1	30.00	5.80	4.90	5.35	0.04	6.42	
	30.00	60.00	1	30.00	4.90	4.90	4.90	0.04	5.88	
	60.00	82.40	1	22.40	4.90	4.75	4.83	0.04	4.32	
	Office Entrence Road Approach-2									
	0.00	0.00	1	0.00	4.95	4.95	4.95	0.04	0.00	
	0.00	30.00	1	30.00	4.95	5.00	4.98	0.04	5.97	
	30.00	34.00	1	4.00	5.00	6.30	5.65	0.04	0.90	
	Office Road from Main Road (Health Center) to Quatres Road									
	0.00	0.00	1	0.00	8.30	7.30	7.80	0.04	0.00	
	0.00	30.00	1	30.00	7.30	7.50	7.40	0.04	8.88	
	30.00	60.00	1	30.00	7.50	7.60	7.55	0.04	9.06	
	60.00	90.00	1	30.00	7.60	7.50	7.55	0.04	9.06	
	90.00	120.00	1	30.00	7.50	7.50	7.50	0.04	9.00	

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub-Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Executive Engineer

SL NO	CHAINAGE		NO	L (m)	B1 (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
	120.00	150.00	1	30.00	7.50	7.60	7.55	0.04	9.06	
	150.00	160.20	1	10.20	7.60	7.50	7.55	0.04	3.08	
	Ground Parallel Road from Quatres Road to Main Road									
	0.00	0.00	1	0.00	4.80	4.80	4.80	0.04	0.00	
	0.00	30.00	1	30.00	4.80	5.40	5.10	0.04	6.12	
	30.00	60.00	1	30.00	5.40	5.30	5.35	0.04	6.42	
	60.00	90.00	1	30.00	5.30	5.20	5.25	0.04	6.30	
	90.00	120.00	1	30.00	5.20	5.30	5.25	0.04	6.30	
	120.00	150.00	1	30.00	5.30	5.20	5.25	0.04	6.30	
	150.00	162.20	1	12.20	5.20	5.70	5.45	0.04	2.66	
	Deductions									
		MH	-6	(3.14x1.5^2)/4				0.04	-0.42	
		Poles	-6	(3.14x0.40^2)/4				0.04	-0.03	
					(Ward No.01 APTS) Total Quantity				466.72	
Ward No.01, Kurlappa Garden										
For Asphalt Road										
	Kurlappa Layout 1st Main Road from Kogilu Main Road									
	0.00	0.00	1	0.00	5.40	5.40	5.40	0.04	0.00	
	0.00	30.00	1	30.00	5.40	5.20	5.30	0.04	6.36	
	30.00	60.00	1	30.00	5.20	5.20	5.20	0.04	6.24	
	60.00	90.00	1	30.00	5.20	5.40	5.30	0.04	6.36	
	90.00	120.00	1	30.00	5.40	5.25	5.33	0.04	6.39	
	120.00	150.00	1	30.00	5.25	5.65	5.45	0.04	6.54	
	150.00	180.00	1	30.00	5.65	5.90	5.78	0.04	6.93	
	180.00	210.00	1	30.00	5.90	5.20	5.55	0.04	6.66	
	210.00	215.90	1	5.90	5.20	5.55	5.38	0.04	1.27	
				(Ward No.01 Kurlappa Garden) Total Quantity					46.75	

Asst Engineer
Ward No.01

Asst. Executive Engineer
Yelahanka Sub Division

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Engineer

Asst Executive Engineer

Executive Engineer

SL NO	CHAINAGE		NO	L (m)	B1 (m)	B1 (m)	Avg B (m)	D	QTY	REMARKS
	0.00	0.00								
	0.00	11.70	1	0.00	8.20	8.20	8.20	[illegible]	0.00	
	11.70	11.70	1	11.70	8.20	8.00	8.10	0.04	3.79	
	11.70	26.70	1	0.00	8.00	10.20	9.10	0.04	0.00	
	26.70	33.70	1	15.00	10.20	10.00	10.10	0.04	6.06	
	33.70	33.70	1	7.00	10.00	10.00	10.00	0.04	2.80	
	33.70	48.70	1	0.00	10.00	9.45	9.73	0.04	0.00	
	48.70	63.70	1	15.00	9.45	10.00	9.73	0.04	5.84	
	63.70	78.70	1	15.00	10.00	8.90	9.45	0.04	5.67	
	78.70	93.70	1	15.00	8.90	8.20	8.55	0.04	5.13	
	93.70	108.30	1	15.00	8.20	6.70	7.45	0.04	4.47	
	Deductions		1	14.60	6.70	5.70	6.20	0.04	3.62	
			-1	3.50			1.90	0.04	-0.27	
						(Ward No.04) Total Quantity			114.92	
	Total Quantity								628.39	Sqm
	Quantity Carried to Summary								628.39	Sqm

Asst Engineer
Ward No.04

CIVIL HINE ENGINEERING CONSULTANTS
Bangalore

Consultant Representative

Asst. Executive Engineer
Yelahanka Stallite Town Sub Division

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Contractor Representative

Item No.	44
Item Name:	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specification and directions of the Engineer in charge.

Pre-Measurement Recorded On: 28-04-2022

Ward No.01, APTS Primises

Asphalt Road

APTS Main Road from Circle towards Gate

0.00	0.00	2	0.00				
0.00	5.00	2	0.00			0.10	0.00
5.00	10.00	2	5.00			0.10	1.00
10.00	40.00	2	5.00			0.10	1.00
40.00	70.00	2	30.00			0.10	6.00
70.00	100.00	2	30.00			0.10	6.00
100.00	130.00	2	30.00			0.10	6.00
130.00	160.00	2	30.00			0.10	6.00
160.00	190.00	2	30.00			0.10	6.00
190.00	220.00	2	30.00			0.10	6.00
220.00	250.00	2	30.00			0.10	6.00
250.00	280.00	2	30.00			0.10	6.00
280.00	310.00	2	30.00			0.10	6.00
310.00	340.00	2	30.00			0.10	6.00
340.00	370.00	2	30.00			0.10	6.00
370.00	400.00	2	30.00			0.10	6.00
400.00	414.00	2	14.00			0.10	6.00
							2.80

Turning Porstion towards Gate

0.00	0.00	2	0.00			0.10	0.00
0.00	30.00	2	30.00			0.10	6.00
30.00	60.00	2	30.00			0.10	6.00
60.00	62.00	2	2.00			0.10	0.40

Road from Gate to Primary Health Center

0.00	0.00	2	0.00			0.10	0.00
0.00	30.00	2	30.00			0.10	6.00
30.00	60.00	2	30.00			0.10	6.00
60.00	90.00	2	30.00			0.10	6.00
90.00	120.00	2	30.00			0.10	6.00
120.00	150.00	2	30.00			0.10	6.00
150.00	180.00	2	30.00			0.10	6.00
180.00	210.00	2	30.00			0.10	6.00
210.00	240.00	2	30.00			0.10	6.00
240.00	260.00	2	20.00			0.10	4.00
260.00	290.00	2	30.00			0.10	6.00
290.00	305.30	2	15.30			0.10	3.06

APTS Office Road from Circle to Quatres Road

Q&FC

A.E.E.

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Executive Engineer

	15.00	30.00	2	15.00			0.10		3.00	
	30.00	45.00	2	15.00			0.10		3.00	
	45.00	60.00	2	15.00			0.10		3.00	
	60.00	78.50	2	18.50			0.10		3.70	
Allalsandra Main Road from 22nd Cross Road										
	0.00	0.00	2	0.00			0.10		0.00	
	0.00	11.70	2	11.70			0.10		2.34	
	11.70	11.70	2	0.00			0.10		0.00	
	11.70	26.70	2	15.00			0.10		3.00	
	26.70	33.70	2	7.00			0.10		1.40	
	33.70	33.70	2	0.00			0.10		0.00	
	33.70	48.70	2	15.00			0.10		3.00	
	48.70	63.70	2	15.00			0.10		3.00	
	63.70	78.70	2	15.00			0.10		3.00	
	78.70	93.70	2	15.00			0.10		3.00	
	93.70	108.30	2	14.60			0.10		2.92	
					(Ward No.04) Total Quantity				101.84	
	Total Quantity								490.06	Sqm
	Quantity Carried to Summary								490.00	Sqm

Asst Engineer
Ward No.04

Asst. Executive Engineer
Yelahanka Stallite Town Sub Division

Consultant Representative

Contractor Representative

Item No.	47
Item Name:	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, using a g concrete M30 over a prepared base with OPC coarse aggregate @ 0.69cum fine aggregate @ 0.46cum,coarse and fine aggregate confirming to IS:383-2016,with superplastisiser @3lts confirming to IS9103-2008mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine,and curing including cost of all materials,labour,hire chargedof machines,all lead and lift charges etc., complete as per specification and directions of the Engineer in charge.

SL NO	CHAINAGE		NO	L (m)	B1 (m)	B1 (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:				18-04-2022						
Ward No.01, APTS Primises										
CC Road										
Quatres Road from APTS Office Road to Dead End										
	0.00	0.00	1	0.00	5.60	5.60	5.60	0.15	0.00	
	0.00	30.00	1	30.00	5.60	4.50	5.05	0.15	22.73	
	30.00	60.00	1	30.00	4.50	4.30	4.40	0.15	19.80	
	60.00	90.00	1	30.00	4.30	5.00	4.65	0.15	20.93	
	90.00	120.00	1	30.00	5.00	4.50	4.75	0.15	21.38	
	120.00	150.00	1	30.00	4.50	4.25	4.38	0.15	19.69	
	150.00	180.00	1	30.00	4.25	4.30	4.28	0.15	19.24	
	180.00	205.00	1	25.00	4.30	4.30	4.30	0.15	16.13	
	Deductions									
		MH	-12		(3.14x1.5^2)/4			0.15	-3.18	
At APTS Office										
			1	10.20	5.00	7.70	6.35	0.15	9.72	
Canopy Below			1	8.00	4.30	4.30	4.30	0.15	5.16	
			1	11.30	7.70	4.80	6.25	0.15	10.59	
					(Ward No.01 APTS) Total Quantity				162.17	
Ward No.01, Kurlappa Garden										
For CC Road										
2nd Main Road At 7th Cross Road										
	0.00	0.00	1	0.00	4.15	4.15	4.15	0.15	0.00	
	0.00	30.00	1	30.00	4.15	4.15	4.15	0.15	18.68	
	30.00	40.80	1	10.80	4.15	4.25	4.20	0.15	6.80	
	40.80	47.50	1	6.70						Cross Road
	47.50	47.50	1	0.00	4.35	4.35	4.35	0.15	0.00	
	47.50	77.50	1	30.00	4.35	4.60	4.48	0.15	20.14	
	77.50	88.10	1	10.60	4.60	4.55	4.58	0.15	7.27	
3rd Main Road from 7th Cross Road										
	0.00	0.00	1	0.00	4.50	4.50	4.50	0.10	0.00	
	0.00	30.00	1	30.00	4.50	4.65	4.58	0.10	13.73	

A.E.E.

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Executive Engineer

	Deductions								
		MH	-3	(3.14x0.90^2)/4				0.15	-0.29
			-1	1.70			1.00	0.15	-0.26
			-1	1.40			1.10	0.15	-0.23
			-1	1.80			0.60	0.15	-0.16
			-1	1.20			0.75	0.15	-0.14
			-1	3.40			0.45	0.15	-0.23
			-1	0.80			0.60	0.15	-0.07
	Cross Road-1 in Kondappa layout								
	0.00	0.00							
	0.00	15.00	1	0.00	4.70	4.70	4.70	0.15	0.00
	15.00	30.00	1	15.00	4.70	4.40	4.55	0.15	10.24
	30.00	45.00	1	15.00	4.40	4.30	4.35	0.15	9.79
	45.00	60.00	1	15.00	5.40	4.30	4.85	0.15	10.91
	60.00	74.50	1	15.00	4.30	3.50	3.90	0.15	8.78
	74.50	74.50	1	14.50	3.50	4.20	3.85	0.15	8.37
	74.50	74.80	1	0.00	4.20	4.30	4.25	0.15	0.00
	74.80	74.80	1	0.30	4.30	4.20	4.25	0.15	0.19
	74.80	86.40	1	0.00	5.40	3.20	4.30	0.15	0.00
			1	11.60	3.20	3.90	3.55	0.15	6.18
	Deductions								
			-1	5.30			1.00	0.15	-0.80
	Approach Road for Cross Road-1 in Kondappa layout								
	0.00	0.00	1	0.00	4.10	4.10	4.10	0.15	0.00
	0.00	18.50	1	18.50	4.10	4.90	4.50	0.15	12.49
	Vijaya Jyothi English School Opposite Road from Dead end to Railway Station Parallel Road								
	0.00	0.00	1	0.00	5.60	5.60	5.60	0.15	0.00
	0.00	15.00	1	15.00	5.60	5.60	5.60	0.15	12.60
	15.00	30.00	1	15.00	5.60	5.20	5.40	0.15	12.15
	30.00	45.00	1	15.00	5.40	5.10	5.25	0.15	11.81
	45.00	60.00	1	15.00	5.10	5.70	5.40	0.15	12.15
	60.00	81.00	1	21.00	5.70	6.00	5.85	0.15	18.43
	81.00	89.40	1	8.40	6.00	4.40	5.20	0.15	6.55
	89.40	89.40	1	0.00	4.40	3.90	4.15	0.15	0.00
	89.40	104.40	1	15.00	5.40	3.70	4.55	0.15	10.24
	104.40	119.40	1	15.00	3.70	3.70	3.70	0.15	8.33
	119.40	134.40	1	15.00	3.70	3.60	3.65	0.15	8.21
	134.40	149.40	1	15.00	3.60	4.70	4.15	0.15	9.34
	149.40	167.70	1	18.30	5.40	4.20	4.80	0.15	13.18
	Deductions								
			-1	1.50			0.75	0.15	-0.17
			-1	5.00			0.75	0.15	-0.56
	Cross Road-2 from Dead end to Vijaya Jyothi English School Opposite Road								
	0.00	0.00	1	0.00	4.00	4.00	4.00	0.15	0.00
	0.00	15.00	1	15.00	4.00	3.70	3.85	0.15	8.66
	15.00	30.00	1	15.00	3.70	4.00	3.85	0.15	8.66
	30.00	45.00	1	15.00	5.40	3.80	4.60	0.15	10.35
	Deductions								
			-1	2.50			0.60	0.15	-0.23

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub-Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Executive Engineer

			-3	1.20			0.45	0.15	-0.24	
	Cross Road-3 from Dead end to Railway Track									
	0.00	0.00								
	0.00	11.00	1	0.00	5.70	5.70	5.70	0.15	0.00	
	11.00	26.00	1	11.00	5.70	5.40	5.55	0.15	9.16	
	26.00	41.00	1	15.00	5.40	5.60	5.50	0.15	12.38	
	41.00	56.00	1	15.00	5.40	5.60	5.50	0.15	12.38	
	56.00	71.00	1	15.00	5.60	5.80	5.70	0.15	12.83	
	71.00	85.60	1	15.00	5.80	4.70	5.25	0.15	11.81	
	Deductions		1	14.60	5.40	5.70	5.55	0.15	12.15	
		Culvert	-1	5.70						
			-1	1.00			0.73	0.15	-0.64	
							0.30	0.15	-0.05	
	Cross Road-4 from Cross Road-3 to Vijaya Jyothi English School Opposite Road									
	0.00	0.00	1	0.00	3.60	3.60	3.60	0.15	0.00	
	0.00	15.00	1	15.00	3.60	3.50	3.55	0.15	7.99	
	15.00	26.00	1	11.00	3.50	3.60	3.55	0.15	5.86	
	Cross Road-5 from Vijaya Jyothi English School Opposite Road									
	0.00	0.00	1	0.00	5.10	5.10	5.10	0.15	0.00	
	0.00	15.00	1	15.00	5.10	5.30	5.20	0.15	11.70	
	15.00	25.50	1	10.50	5.30	5.30	5.30	0.15	8.35	
	Cross Road-6 from Vijaya Jyothi English School Opposite Road to Cross Road-3									
	0.00	0.00	1	0.00	6.00	6.00	6.00	0.15	0.00	
	0.00	15.00	1	15.00	6.00	6.00	6.00	0.15	13.50	
	15.00	26.50	1	11.50	6.00	6.00	6.00	0.15	10.35	
	1st A Cross Road (Gnanabharathi School Road) SWD Approach									
	0.00	0.00	1	0.00	6.70	6.00	6.35	0.15	0.00	
	0.00	23.20	1	23.20	6.00	4.80	5.40	0.15	18.79	
	23.20	23.20	1	0.00	4.80	3.80	4.30	0.15	0.00	
	23.20	44.40	1	21.20	3.80	5.00	4.40	0.15	13.99	
	2nd A Cross Road SWD Approach									
			1	14.20	3.00	3.00	3.00	0.15	6.39	
	Cross Road, SWD Approach									
	0.00	0.00	1	0.00	3.60	3.60	3.60	0.15	0.00	
	0.00	15.00	1	15.00	3.60	3.80	3.70	0.15	8.33	
	15.00	30.00	1	15.00	3.80	4.80	4.30	0.15	9.68	
	30.00	35.00	1	5.00	4.80	4.80	4.80	0.15	3.60	
	7th Cross Road from Railway Station Parallel Road to Dead end in Kondappa layout									
	0.00	0.00	1	0.00	4.55	4.55	4.55	0.15	0.00	
	0.00	4.60	1	4.60	4.55	4.55	4.55	0.15	3.14	
	4.60	4.60	1	0.00	4.55	2.30	3.43	0.15	0.00	
	4.60	15.70	1	11.10	2.30	2.20	2.25	0.15	3.75	
	15.70	15.70	1	0.00	2.20	4.20	3.20	0.15	0.00	
	15.70	30.70	1	15.00	4.20	4.10	4.15	0.15	9.34	

Assistant Engineer

Asst Executive Engineer

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Executive Engineer

			1	5.30	2.35	1.70	2.03	0.15	1.61	
			1	8.30	0.00	6.90	3.45	0.15	4.30	
			1	4.70	1.45	1.45	1.45	0.15	1.02	
			1	1.90	2.50	1.80	2.15	0.15	0.61	
			1	5.50	1.80	2.60	2.20	0.15	1.82	
2nd B Cross Road from 2nd Main Road to Dead end										
	0.00	0.00	1	0.00	4.00	4.20	4.10	0.15	0.00	
	0.00	30.00	1	30.00	4.20	4.15	4.18	0.15	18.79	
	30.00	60.00	1	30.00	4.15	4.00	4.08	0.15	18.34	
	60.00	82.50	1	22.50	4.00	3.50	3.75	0.15	12.66	
						(Ward No.04) Total Quantity			216.49	
	Total Quantity								1215.67	Cum
	Quantity Carried to Summary								1215.67	Cum

Asst Engineer
Ward No.04

Asst. Executive Engineer
Yelahanka Stallite Town Sub Division

CIVISHINE ENGINEERING CONSULTANTS Bangalore

Consultant Representative

Contractor Representative

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements of Roads , Development of Parks and Construction of Buildings in Ward No 01,02,03 & 04 of Yelahanka Division Under 2021-22 District Minister Grants. (Package-15)

Measurement Sheet

1st & Part Bill

Name of Agency: Sri. K. Lakshmi Narayana Reddy

Item No. 57

Item Name: Providing and fixing M.S grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM complete as per specification and directions of the Engineer in charge.

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			22-04-2022				
Ward No.04							
For Rain Water Recharge Pits							
	Circular Pit	1	(3.14x1.2x1.2)/4			1.13	
	Circular Pit	1	(3.14x1.2x1.2)/4			1.13	
	Circular Pit	1	(3.14x1.2x1.2)/4			1.13	
	Circular Pit	1	(3.14x1.2x1.2)/4			1.13	
	Circular Pit	1	(3.14x1.2x1.2)/4			1.13	
	Circular Pit	1	(3.14x1.2x1.2)/4			1.13	
	Circular Pit	1	(3.14x1.2x1.2)/4			1.13	[signature] 22/04
	Circular Pit	1	(3.14x1.2x1.2)/4			1.13	
	Circular Pit	1	(3.14x1.2x1.2)/4			1.13	
	Circular Pit	1	(3.14x1.2x1.2)/4			1.13	
	Circular Pit	1	(3.14x1.2x1.2)/4			1.13	
	Circular Pit	1	(3.14x1.2x1.2)/4			1.13	

Assistant Engineer | Asst Executive Engineer | Executive Engineer

SL NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Circular Pit								
			1	(3.14x1.2x1.2)/4			1.13	
Circular Pit								
			1	(3.14x1.2x1.2)/4			1.13	
Circular Pit								
			1	(3.14x1.2x1.2)/4			1.13	
Circular Pit								
			1	(3.14x1.2x1.2)/4			1.13	
Circular Pit								
			1	(3.14x1.2x1.2)/4			1.13	
Circular Pit								
			1	(3.14x1.2x1.2)/4			1.13	
Circular Pit								
			1	(3.14x1.2x1.2)/4			1.13	
Circular Pit								
			1	(3.14x1.2x1.2)/4			1.13	
							22.61	
							536.49	
				(Ward No.04) Total Quantity			536.49	
	Total Quantity						536.49	Kgs
	Quantity Carried to Summary						536.49	Kgs

Asst Engineer
Ward No.04

Asst. Executive Engineer
Yelahanka Stallite Town Sub Division

CIVIL LINE ENGINEER CONSULTANTS Bangalore

Consultant Representative

Contractor Representative

Assistant Engineer   Asst Executive Engineer   Executive Engineer

Item No.	58							

Item Name: Providing and laying heavy duty cobble stones 60mm thick interlock pavers,using cement and course sand for manufacturer of blocks of approved size,shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed(average Thinkness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to comeup in between joints , final compaction of pavers surfaces joint into its final level including cost of materials,labour and HOM complete as per specification and directions of the Engineer in charge.

Measurement Recorded On: 22-04-2022

Description	No.	L	B	D	Qty	Remarks
Ward No.03						
Pathway Kerb						
St.Sri Sevalala Park						
From Gate towards Gazebo						
	1	15.00	1.95		29.25	
	1	15.00	1.95		29.25	
	1	15.00	1.95		29.25	
	1	8.35	1.95		16.28	
Gazebo Approach						
(2.00+3.30)/2=2.65	1	4.80	2.65		12.72	
Along Noth Direction						
	1	15.00	1.95		29.25	
	1	1.70	2.70		4.59	
Approach (1.80+3.60)/2=2.7						
	1	15.00	1.95		29.25	
	1	15.00	1.95		29.25	
	1	15.00	1.95		29.25	
	1	15.00	1.95		29.25	
	1	15.00	1.95		29.25	
	1	0.50	1.95		0.98	
Along East Direction						
	1	11.30	1.95		22.04	
Along Noth Direction						
	1	15.00	1.95		29.25	
	1	15.00	1.95		29.25	
	1	15.00	1.95		29.25	
	1	15.00	1.95		29.25	
	1	14.00	1.95		27.30	

Assistant Engineer | Asst Executive Engineer | Executive Engineer

Along East Direction								
			1	15.00	1.95		29.25	
			1	15.00	1.95		29.25	
			1	6.30	1.95		12.29	
Gate Right Side								
			1	15.85	1.95		30.91	
At West Gate								
			1	15.00	1.90		28.50	
			1	9.00	1.90		17.10	
			1	12.50	1.95		24.38	
			1	17.30	1.95		33.74	
				4.90	2.05		10.05	
			1	17.00	1.90		32.30	
(2.05+2.90)/2=2.48			1	9.10	2.48		22.52	
				(Ward No.03) Total Quantity			734.42	
	Total Quantity						734.42	Sqm
	Quantity Carried to Summary						734.42	Sqm

Asst Engineer
Ward No.03

Asst. Executive Engineer
Yelahanka Stallite Town Sub Division

Consultant Representative

Contractor Representative

Assistant Engineer

Asst Executive Engineer

Executive Engineer

At West Gate								
			1	15.00	1.90		28.50	
			1	8.98	1.90		17.06	
			1	12.58	1.95		24.53	
			1	7.28	1.95		14.20	
			1	4.88	2.05		10.00	
			1	16.98	1.90		32.26	
(2.05+2.90)/2=2.48			1	9.10	2.48		22.52	
				(Ward No.03) Total Quantity			721.20	
	Total Quantity						721.20	Sqm
	Quantity Carried to Summary						721.20	Sqm

Asst Engineer
Ward No.03

Asst. Executive Engineer
Yelahanka Stallite Town Sub Division

CIVIL MACHINE ENGINEERING CONSULTANTS Bangalore

Consultant Representative

Contractor Representative

Assistant Engineer | Asst Executive Engineer | Executive Engineer

Item No.	61							
Item Name:	LED Street light.Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminare > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with ....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with							

SL NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:				12-05-2022				
Ward No.03								
LED Lights								
St.Sri Sevalala Park								
			26				26.00	C&G ... 12/05
				(Ward No.03) Total Quantity			26.00	
	Total Quantity						26.00	Nos
	Quantity Carried to Summary						26.00	Nos

Asst Engineer
Ward No.03

Asst. Executive Engineer
Yelahanka Stallite Town Sub Division

CIVIL LINE ENGINEERING CONSULTANTS Bangalore

Consultant Representative

Contractor Representative

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements of Roads , Development of Parks and Construction of Buildings in Ward No 01,02,03 & 04 of Yelahanka Division Under 2021-22 District Minister Grants. (Package-15)

Measurement Sheet

1st & Part Bill

Name of Agency: Sri. K. Lakshmi Narayana Reddy

Item No. 115

Item Name: Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labourComplete as per specifications and the directions of the Engineer-in-charge

SL NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:				07-05-2022				
Ward No.03								
Toilet & Watchman Building in Sevalal Park								
Internal Plastering								
Watchman Shed			2	7.75		2.95	45.73	
			2	4.00		2.95	23.60	
	Toilet		2	2.55		2.95	15.05	
			2	2.55		2.10	10.71	
			2	1.55		2.95	9.15	
			2	1.55		2.10	6.51	
			2	3.20		2.10	13.44	
			2	3.20		2.55	16.32	
			2	1.20		2.55	6.12	
Deductions								
	Door		-2	0.90		2.10	-3.78	
	Windows		-3	1.20		1.20	-4.32	

Assistant Engineer

Asst Executive Engineer

Executive Engineer

SL NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
	Ventilator		-4	1.20		0.60	-2.88	
	Door, D1		-4	0.75		2.10	-6.30	
				(Ward No.03) Total Quantity			129.34	

Asst Engineer
Ward No.03

Asst. Executive Engineer
Yelahanka Stallite Town Sub Division

Ward No.04								
Dhyana Mandira 12-05-2022								
Internal Plastering								
Longer Span			2	15.20		3.45	104.88	
Shorter Span			2	12.60		3.45	86.94	
	Stage		1	13.00		0.45	5.85	
Deductions								
	Door		-1	1.80		2.10	-3.78	
Windows			-10	1.50		1.50	-22.50	
				(Ward No.04) Total Quantity			171.39	
	Total Quantity						300.73	Sqm
	Quantity Carried to Summary						300.73	Sqm

Asst Engineer
Ward No.04

Asst. Executive Engineer
Yelahanka Stallite Town Sub Division

Consultant Representative

Contractor Representative

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements of Roads , Development of Parks and Construction of Buildings in Ward No 01,02,03 & 04 of Yelahanka Division Under 2021-22 District Minister Grants. (Package-15)

Measurement Sheet

1st & Part Bill

Name of Agency: Sri. K. Lakshmi Narayana Reddy

Item No. 116

Item Name: Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications page no117 item no 15.49.1 , KSRB 15-14.1 : Extra over Item 15-14.1 for applying oil bound washable distemper on ceiling and / or sloping roof Complete as per specifications and the directions of the Engineer-in-charge

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			12-05-2022				
Ward No.03							
Toilet & Watchman Building in Sevalal Park							
Internal Plastering							
Watchman Shed		2	7.75		2.95	45.73	
		2	4.00		2.95	23.60	
	Toilet	2	2.55		2.95	15.05	
		2	2.55		2.10	10.71	
		2	1.55		2.95	9.15	
		2	1.55		2.10	6.51	
		2	3.20		2.10	13.44	
		2	3.20		2.55	16.32	
		2	1.20		2.55	6.12	
Deductions							
	Door	-2	0.90		2.10	-3.78	
	Windows	-3	1.20		1.20	-4.32	

Assistant Engineer Asst Executive Engineer Executive Engineer

	Ventilator							
	Door, D1		-4	1.20		0.60	-2.88	
			-4	0.75		2.10	-6.30	
				(Ward No.03) Total Quantity			129.34	

Asst Engineer
Ward No.03

Asst. Executive Engineer
Yelahanka Stallite Town Sub Division

Ward No.04								
Dhyana Mandira 12-05-2022								
Internal Plastering								
Longer Span			2	15.20		3.45	104.88	
Shorter Span			2	12.60		3.45	86.94	
	Stage		1	13.00		0.45	5.85	
Deductions								
	Door		-1	1.80		2.10	-3.78	
	Windows		-10	1.50		1.50	-22.50	
				(Ward No.04) Total Quantity			171.39	
	Total Quantity						300.73	Sqm
	Quantity Carried to Summary						300.73	Sqm

Asst Engineer
Ward No.04

Consultant Representative

Asst. Executive Engineer
Yelahanka Stallite Town Sub Division

Contractor Representative

Assistant Engineer

Asst Executive Engineer

Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements of Roads , Development of Parks and Construction of Buildings in Ward No 01,02,03 & 04 of Yelahanka Division Under 2021-22 District Minister Grants. (Package-15)

Measurement Sheet

1st & Part Bill

Name of Agency: Sri. K. Lakshmi Narayana Reddy

Item No. 117

Item Name: Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specification and directions of the Engineer in charge.

SL NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:				12-05-2022				
Ward No.03								
Toilet & Watchman Building in Sevalal Park								
External Painting								
	Long Wall		2	11.40		3.10	70.68	
	Short Wall		2	4.30		3.10	26.66	
Parapet Wall								
	Long Wall		2	11.40		1.40	31.92	
	Short Wall		2	5.15		1.40	14.42	
	Deductions							Ckd Eaw... 12/05
	Door		-2	0.90		2.10	-3.78	
	Windows		-3	1.20		1.20	-4.32	
	Ventilator		-4	1.20		0.60	-2.88	
				(Ward No.03) Total Quantity			132.70	
	Total Quantity						132.70	Sqm
	Quantity Carried to Summary						132.70	Sqm

Asst Engineer
Ward No.03

Asst. Executive Engineer
Yelahanka Stallite Town Sub Division

Consultant Representative

Contractor Representative

Assistant Engineer

Asst Executive Engineer

Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements of Roads , Development of Parks and Construction of Buildings in Ward No 01,02,03 & 04 of Yelahanka Division Under 2021-22 District Minister Grants. (Package-15)

Measurement Sheet

1st & Part Bill

Name of Agency: Sri. K. Lakshmi Narayana Reddy

Item No. 123

Item Name: Providing skirting, dado, rises of steps with colour glazed tiles 30X60 cms 6mm thick with border of size 30 x 10 cms on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specification and directions of the Engineer in charge.

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			09-05-2022				
Ward No.04							
Dhana Mandira							
Wall Cladding							
Longer Span		2	15.20		1.50	45.60	
Shorter Span		2	12.60		1.50	37.80	
			(Ward No.04) Total Quantity			83.40	09/05
	Total Quantity					83.40	Sqm
	Quantity Carried to Summary					83.40	Sqm

Consultant Representative

Contractor Representative

Assistant Engineer

Asst Executive Engineer

Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements of Roads , Development of Parks and Construction of Buildings in Ward No 01,02,03 & 04 of Yelahanka Division Under 2021-22 District Minister Grants. (Package-15)

Measurement Sheet

1st & Part Bill

Name of Agency: Sri. K. Lakshmi Narayana Reddy

Item No.	125						
Item Name:	Providing half nosing for 20mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc.,Complete as per specifications and the directions of the Engineer-in-charge						
SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			09-05-2022				
Ward No.04							
Dhana Mandira							
	For Stage	1	13.00			13.00	
	Treads	4	2.30			9.20	
			(Ward No.04) Total Quantity			22.20	
	Total Quantity					22.20	Mtr
	Quantity Carried to Summary					22.20	Mtr

Consultant Representative

Contractor Representative

Assistant Engineer

Asst Executive Engineer

Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements of Roads , Development of Parks and Construction of Buildings in Ward No 01,02,03 & 04 of Yelahanka Division Under 2021-22 District Minister Grants. (Package-15)

Measurement Sheet

1st & Part Bill

Name of Agency: Sri. K. Lakshmi Narayana Reddy

Item No. 133

Item Name: Providing and fixing 65mmx90mm GRP Doorframe fabricated using E-Glass Chopped Strand Mat (CSM). U.V-stabilized Isopthalic Gelcoat and Isopthalic resin. The thickness of the GRP skin shall not be less than 2.0 mm. The doorframe consists of four segmens, which are provided with plug-in-socket arrangement in-situ in the mould The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement of 6 locations fro high screw holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam/Plaster with fibre reinforcement. Six Numbers of 260mmx25mmx5mm size S shaped M.S. flat hold fast shall be provided with the frame Complete as per specifications and the directions of the Engineer-in-charge Ground Floor

SL NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:				13-05-2022				
Ward No.03								
Toilet & Watchman Building in Sevalal Park								
	Door		2	5.70			11.40	
				(Ward No.03) Total Quantity			11.40	13/05
	Total Quantity						11.40	m
	Quantity Carried to Summary						11.40	m

CIVIL SHINE ENGINEERING CONSULTANTS Bengaluru

Consultant Representative

Contractor Representative

Assistant Engineer

Asst Executive Engineer

Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements of Roads , Development of Parks and Construction of Buildings in Ward No 01,02,03 & 04 of Yelahanka Division Under 2021-22 District Minister Grants. (Package-15)

Measurement Sheet

1st & Part Bill

Name of Agency: Sri. K. Lakshmi Narayana Reddy

Item No.	137							
Item Name:	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost ofmaterials, labour, complete as per specifications. Pg no:121.Item no:15.60.1							
SL NO	CHAINAGE	NO		L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:				12-05-2022				
Ward No.03								
Toilet & Watchman Building in Sevalal Park								
	Door	2Nos	4	0.90		2.10	7.56	
				(Ward No.03) Total Quantity			7.56	

Asst Engineer
Ward No.03

Asst. Executive Engineer
Yelahanka Stallite Town Sub Division

Assistant Engineer

Asst Executive Engineer

Executive Engineer

SL NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Ward No.04								
Dhana Mandira 09-05-2022								
	Windows							
			10	1.50		1.50	22.50	
				(Ward No.04) Total Quantity			22.50	
	Total Quantity						26.82	Sqm
	Quanity Limit to						26.82	Sqm
	Quantity Carried to Summary						26.82	Sqm

Asst Engineer
Ward No.04

Asst. Executive Engineer
Yelahanka Stallite Town Sub Division

Assistant Engineer

Asst Executive Engineer

Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements of Roads , Development of Parks and Construction of Buildings in Ward No 01,02,03 & 04 of Yelahanka Division Under 2021-22 District Minister Grants. (Package-15)

Measurement Sheet

1st & Part Bill

Name of Agency: Sri. K. Lakshmi Narayana Reddy

Item No. 149

Item Name: Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications. - for Ceramic Tiles of size 30x30cms 6mm thick Ground Floor

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			09-05-2022				
Ward No.03							
Toilet & Watchman Building in Sevalal Park							
For Flooring							
Watchman Shed		1	7.75	4.00		31.00	
	Toilet	2	1.55	2.55		7.91	
	Passage	1	3.20	1.30		4.16	
			(Ward No.03) Total Quantity			43.07	
	Total Quantity					43.07	Sqm
	Quantity Carried to Summary					43.07	Sqm

Asst Engineer
Ward No.03

Asst. Executive Engineer
Yelahanka Stallite Town Sub Division

Assistant Engineer

Asst Executive Engineer

Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements of Roads , Development of Parks and Construction of Buildings in Ward No 01,02,03 & 04 of Yelahanka Division Under 2021-22 District Minister Grants. (Package-15)

Measurement Sheet

1st & Part Bill

Name of Agency: Sri. K. Lakshmi Narayana Reddy

Item No.	151
Item Name:	Providing skirting, dado, rises of steps with colour glazed tiles 30X60 cms 6mm thick with border of size 30 x 10 cms on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specification and directions of the Engineer in charge.

SL NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:				09-05-2022				
Ward No.03								
Toilet & Watchman Building in Sevalal Park								
Rough Plastering								
	Toilet		2	2.55		2.10	10.71	
			2	2.55		2.10	10.71	
			2	1.55		2.10	6.51	
			2	1.55		2.10	6.51	
			2	3.20		2.10	13.44	C&C [signature] 09/05
			2	3.20		2.10	13.44	
			2	1.20		2.10	5.04	
	Deductions							
	Door		-1	0.90		2.10	-1.89	
	Windows		-1	1.20		1.20	-1.44	
	Door, D1		-4	0.75		2.10	-6.30	
				(Ward No.03) Total Quantity			56.73	
	Total Quantity						56.73	Sqm
	Quantity Carried to Summary						56.73	Sqm

[signature]
Asst Engineer
Ward No.03

Asst. Executive Engineer
Yelahanka Stallite Town Sub Division

Assistant Engineer

Asst Executive Engineer

Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements of Roads , Development of Parks and Construction of Buildings in Ward No 01,02,03 & 04 of Yelahanka Division Under 2021-22 District Minister Grants. (Package-15)

Measurement Sheet

1st & Part Bill

Name of Agency: Sri. K. Lakshmi Narayana Reddy

Item No. 157

Item Name: Providing and fixing Stainless steel staircase raling as per Chief Architect Drawing No. 11520/ HRSC with hand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specification and directions of the Engineer in charge.

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			11-04-2022				
Ward No.02, Anganawadi Building							
Railings							
		1	13.00		0.90	11.70	
			(Ward No.02) Total Quantity			11.70	
	Total Quantity					11.70	Sqm
	Quantity Carried to Summary					11.70	Sqm

Asst Engineer
Ward No.02

Asst. Executive Engineer
Yelahanka Sub Division

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Ynk Zn)
Yelahanka, Bangalore

Assistant Engineer

Asst Executive Engineer

Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements of Roads , Development of Parks and Construction of Buildings in Ward No 01,02,03 & 04 of Yelahanka Division Under 2021-22 District Minister Grants. (Package-15)

Measurement Sheet

1st & Part Bill

Name of Agency: Sri. K. Lakshmi Narayana Reddy

Item No. 159

Item Name: Providing and fixing M.S.Grill over existing compound wall as per, using 16mm x 16mm M.S.Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x12mm M.S. flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., Complete as per specifications and the directions of the Engineer-in-charge

SL NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:				11-03-2022				
Ward No.02, Anganawadi Building								
For Compound Wall								
	Front		1	5.80		0.90	5.22	
			1	1.25		0.90	1.13	
			1	1.70		0.90	1.53	
	North Side		1	8.40		0.90	7.56	
			1	0.85		0.90	0.77	
	Back Side		1	13.50		0.90	12.15	
	South Side		1	14.80		0.90	13.32	
				(Ward No.02) Total Quantity			41.67	
	Total Quantity						41.67	Sqm
	Quantity Carried to Summary						41.67	Sqm

Asst Engineer
Ward No.02

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Yelahanka Zn)
Yelahanka, Bangalore

Assistant Engineer | Asst Executive Engineer | Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements of Roads , Development of Parks and Construction of Buildings in Ward No 01,02,03 & 04 of Yelahanka Division Under 2021-22 District Minister Grants. (Package-15)

Measurement Sheet

1st & Part Bill

Name of Agency: Sri. K. Lakshmi Narayana Reddy

Item No.	184							
Item Name:	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 4 - 5 Way Complete as per specifications and the directions of the Engineer-in-charge							
SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS	
Measurement Recorded On:			12-05-2022					
Ward No.04								
Dhana Mandira								
		12				12.00		
			(Ward No.04) Total Quantity			12.00		
	Total Quantity					12.00	Each	
	Quantity Carried to Summary					12.00	Each	

Asst Engineer
Ward No.04

Asst. Executive Engineer
Yelahanka Stallite Town Sub Division

Assistant Engineer

Asst Executive Engineer

Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements of Roads , Development of Parks and Construction of Buildings in Ward No 01,02,03 & 04 of Yelahanka Division Under 2021-22 District Minister Grants. (Package-15)

Measurement Sheet

1st & Part Bill

Name of Agency: Sri. K. Lakshmi Narayana Reddy

Item No.	192							
Item Name:	Wiring for lighting/ power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments 4sqmm Complete as per specifications and the directions of the Engineer-in-charge							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			12-05-2022				
Ward No.04							
Dhana Mandira							
		1	60.00			60.00	
			(Ward No.04) Total Quantity			60.00	
	Total Quantity					60.00	Rmtr
	Quantity Carried to Summary					60.00	Rmtr

Asst Engineer
Ward No.04

Asst. Executive Engineer
Yelahanka Stallite Town Sub Division

Assistant Engineer

Asst Executive Engineer

Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements of Roads , Development of Parks and Construction of Buildings in Ward No 01,02,03 & 04 of Yelahanka Division Under 2021-22 District Minister Grants. (Package-15)

Measurement Sheet

1st & Part Bill

Name of Agency: Sri. K. Lakshmi Narayana Reddy

Item No.	194
Item Name:	Supplying and fixing of Group A, regular MCB distribution boards on wall/woodboard/flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB'S single phase/ 3 phase / single door with powder coated painting made out of SWG MS enclosute 12 way SP & N Complete as per specifications and the directions of the Engineer-in-charge

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			12-05-2022				
Ward No.04							
Dhana Mandira							
		1				1.00	
			(Ward No.04) Total Quantity			1.00	
	Total Quantity					1.00	Each
	Quantity Carried to Summary					1.00	Each

Asst Engineer
Ward No.04

Asst. Executive Engineer
Yelahanka Stallite Town Sub Division

Assistant Engineer

Asst Executive Engineer

Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements of Roads , Development of Parks and Construction of Buildings in Ward No 01,02,03 & 04 of Yelahanka Division Under 2021-22 District Minister Grants. (Package-15)

Measurement Sheet

1st & Part Bill

Name of Agency: Sri. K. Lakshmi Narayana Reddy

Item No.	197							
Item Name:	Supplying and fixing Trivector meter suitable for operation LT operation and CT operated meter in polycarbonate body in class 0.5accuracy as per IS 14697 and completely wired							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			12-05-2022				
Ward No.04							
Dhana Mandira							
		2				2.00	
			(Ward No.04) Total Quantity			2.00	
	Total Quantity					2.00	Each
	Quantity Carried to Summary					2.00	Each

Asst Engineer
Ward No.04

Asst. Executive Engineer
Yelahanka Stallite Town Sub Division

Assistant Engineer

Asst Executive Engineer

Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements of Roads , Development of Parks and Construction of Buildings in Ward No 01,02,03 & 04 of Yelahanka Division Under 2021-22 District Minister Grants. (Package-15)

Measurement Sheet

1st & Part Bill

Name of Agency: Sri. K. Lakshmi Narayana Reddy

Item No. 202

Item Name: Supplying & fixing retrofit type -PL- LED Lamp ....W LED linear source with CCT 6500 degree K, CRI> 70%. efficacy >80 lumen per watt, life> 25000 burning hours and Compliance to IS 10322/IEC 60598, LM 79 & LM 80. The LED are driven by HF electronic driver integrated in the system, with PF > 0.95, power loss should < 5% of lamp wattage., short circuit & open circuit protection to be integrated in the circuit, THD less than 20%, Life as per LM 79. The operating input voltage should be between 130 to 275 volts. Tested by NABL/CPRI accredited laboratory with 2 years Warranty against any manufacturing defect working under standard electrical condition.8-9 Watts

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			12-05-2022				
Ward No.04							
Dhana Mandira							
		10				10.00	
			(Ward No.04) Total Quantity			10.00	
	Total Quantity					10.00	Each
	Quantity Carried to Summary					10.00	Each

Asst Engineer
Ward No.04

Asst. Executive Engineer
Yelahanka Stallite Town Sub Division

Assistant Engineer

Asst Executive Engineer

Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements of Roads , Development of Parks and Construction of Buildings in Ward No 01,02,03 & 04 of Yelahanka Division Under 2021-22 District Minister Grants. (Package-15)

Measurement Sheet

1st & Part Bill

Name of Agency: Sri. K. Lakshmi Narayana Reddy

Item No.	206							
Item Name:	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc.,and painted with 2 coats of red oxide and then two coats of approved paint (49/6.39)75x75x6mm							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			15-05-2022				
Ward No.04							
Dhana Mandira							
		1	4.00			4.00	
			(Ward No.04) Total Quantity			4.00	
	Total Quantity					4.00	Mtr
	Quantity Carried to Summary					4.00	Mtr

Asst Engineer
Ward No.04

Asst. Executive Engineer
Yelahanka Stallite Town Sub Division

Assistant Engineer

Asst Executive Engineer

Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements of Roads , Development of Parks and Construction of Buildings in Ward No 01,02,03 & 04 of Yelahanka Division Under 2021-22 District Minister Grants. (Package-15)

Measurement Sheet

1st & Part Bill

Name of Agency: Sri. K. Lakshmi Narayana Reddy

Item No.	208							
Item Name:	Supplying and Fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete, protection of Overload and Short circuit with thermal Magnetic/Microprocessed release and Earth Fault as per IS-13947. (icu =lcs) (53/4.12) 63/100Amps 25kA							
SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS	
Measurement Recorded On:			12-05-2022					
Ward No.04								
Dhana Mandira								
		1				1.00		
			(Ward No.04) Total Quantity			1.00		
	Total Quantity					1.00	Each	
	Quantity Carried to Summary					1.00	Each	

Asst Engineer
Ward No.04

Asst. Executive Engineer
Yelahanka Stallite Town Sub Division

Assistant Engineer

Asst Executive Engineer

Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements of Roads , Development of Parks and Construction of Buildings in Ward No 01,02,03 & 04 of Yelahanka Division Under 2021-22 District Minister Grants. (Package-15)

Measurement Sheet

1st & Part Bill

Name of Agency: Sri. K. Lakshmi Narayana Reddy

Item No.	212							
Item Name:	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required. In existing trench/duct. (68/7.8)25 sqmm to 75 sqmm							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			12-05-2022				
Ward No.04							
Dhana Mandira							
		1	30.00			30.00	C AEE [illegible] 12/05
			(Ward No.04) Total Quantity			30.00	
	Total Quantity					30.00	Mtr
	Quantity Carried to Summary					30.00	Mtr

Asst Engineer
Ward No.04

Asst. Executive Engineer
Yelahanka Stallite Town Sub Division

Assistant Engineer

Asst Executive Engineer

Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements of Roads , Development of Parks and Construction of Buildings in Ward No 01,02,03 & 04 of Yelahanka Division Under 2021-22 District Minister Grants. (Package-15)

Measurement Sheet

1st & Part Bill

*

Item No.	217							
Item Name:	Supplying and fiixing of heavy duty cable glands suitable for UG cable of 1.1 KV class (metal only) (69/7.14) 75mm dia							
SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS	
Measurement Recorded On:			12-05-2022					
Ward No.04								
Dhana Mandira								
		4				4.00		
			(Ward No.04) Total Quantity			4.00		
	Total Quantity					4.00	Each	
	Quantity Carried to Summary					4.00	Each	

Asst Engineer
Ward No.04

Asst. Executive Engineer
Yelahanka Stallite Town Sub Division

Assistant Engineer   Asst Executive Engineer   Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements of Roads , Development of Parks and Construction of Buildings in Ward No 01,02,03 & 04 of Yelahanka Division Under 2021-22 District Minister Grants. (Package-15)

Measurement Sheet

1st & Part Bill

Name of Agency: Sri. K. Lakshmi Narayana Reddy

Item No. 219

Item Name: Supplying and fixing of class A (medium duty) GI pipe of wall thick ness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class. (68/7.12) 40mm

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			12-05-2022				
Ward No.04							
Dhana Mandira							
		1	5.00			5.00	
			(Ward No.04) Total Quantity			5.00	12/05
	Total Quantity					5.00	Mtr
	Quantity Carried to Summary					5.00	Mtr

Asst Engineer
Ward No.04

Asst. Executive Engineer
Yelahanka Stallite Town Sub Division

Assistant Engineer

Asst Executive Engineer

Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements of Roads , Development of Parks and Construction of Buildings in Ward No 01,02,03 & 04 of Yelahanka Division Under 2021-22 District Minister Grants. (Package-15)

Measurement Sheet

1st & Part Bill

Name of Agency: Sri. K. Lakshmi Narayana Reddy

Item No. 222

Item Name: Providing and fixing white vitreous china clay,flat back or half stall urinal basin of size 580x380x350mm in the range of two with 7.5 litres P.V.C automatic flushing cistern, C.I / M.S brackets ,standard flush pipe and C.P brass spreaders with brass unions and G.I clamps, C.I trap with outlet grating and other couplings in C.P brass, painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour Complete as per specifications and the directions of the Engineer-in-charge

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			09-05-2022				
Ward No.03							
Toilet & Watchman Building in Sevalal Park							
		1				1.00	
			(Ward No.03) Total Quantity			1.00	
	Total Quantity					1.00	Unit
	Quantity Carried to Summary					1.00	Unit

Asst Engineer
Ward No.03

Asst. Executive Engineer
Yelahanka Stallite Town Sub Division

Assistant Engineer

Asst Executive Engineer

Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements of Roads , Development of Parks and Construction of Buildings in Ward No 01,02,03 & 04 of Yelahanka Division Under 2021-22 District Minister Grants. (Package-15)

Measurement Sheet

1st & Part Bill

Name of Agency: Sri. K. Lakshmi Narayana Reddy

Item No.	223							
Item Name:	Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour Complete as per specifications and the directions of the Engineer-in charge							
SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			09-05-2022				
Ward No.03							
Toilet & Watchman Building in Sevalal Park							
		2				2.00	C/ttc [illegible] 09/05
			(Ward No.03) Total Quantity			2.00	
	Total Quantity					2.00	Unit
	Quantity Carried to Summary					2.00	Unit

Asst Engineer
Ward No.03

Asst. Executive Engineer
Yelahanka Stallite Town Sub Division

Assistant Engineer

Asst Executive Engineer

Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements of Roads , Development of Parks and Construction of Buildings in Ward No 01,02,03 & 04 of Yelahanka Division Under 2021-22 District Minister Grants. (Package-15)

Measurement Sheet

1st & Part Bill

Name of Agency: Sri. K. Lakshmi Narayana Reddy

Item No. 225

Item Name: Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia.Complete as per specifications and the directions of the Engineer-in-charge

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			09-05-2022				
Ward No.03							
Toilet & Watchman Building in Sevalal Park							
		4				4.00	
			(Ward No.03) Total Quantity			4.00	
	Total Quantity					4.00	Each
	Quantity Carried to Summary					4.00	Each

Asst Engineer
Ward No.03

Asst. Executive Engineer
Yelahanka Stallite Town Sub Division

Assistant Engineer

Asst Executive Engineer

Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Improvements of Roads , Development of Parks and Construction of Buildings in Ward No 01,02,03 & 04 of Yelahanka Division Under 2021-22 District Minister Grants. (Package-15)

Measurement Sheet

1st & Part Bill

Name of Agency: Sri. K. Lakshmi Narayana Reddy

Item No. 226

Item Name: Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials,labour charges, HOM of acquirements and testing complete as per specifications.For Rain water pipe.Complete as per specifications and the directions of the Engineer-in-charge - do - 110 mm dia

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			09-05-2022				
Ward No.03							
Toilet & Watchman Building in Sevalal Park							
		1	20.00			20.00	
		(Ward No.03) Total Quantity				20.00	
	Total Quantity					20.00	m
	Quantity Carried to Summary					20.00	m

Asst Engineer
Ward No.03

Asst. Executive Engineer
Yelahanka Stallite Town Sub Division

Assistant Engineer | Asst Executive Engineer | Executive Engineer